

10/565561

IAP20 Rec'd PCT/PTO 23 JAN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Friedrich BOECKING
Based on : PCT/DE2004/001200
Docket No. : R.305745
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
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**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed within three months of the filing date and before the mailing of a first Office action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

DE 101 45 622 A1

This invention relates to a valve for regulating fluids includes a piezoelectric actuator (2), a converter (3) for converter the stroke of the piezoelectric actuator, an inwardly opening control valve (11), which is disposed in a valve chamber (12) and on a first valve seat (14), closes a connection to a low-pressure line (18). A nozzle needle (20) is disposed in the control chamber (21). The control chamber (21) is connected with a high-pressure line (19) via a first supply throttle (22) and with the valve chamber (12) by means of a throttle (23), whereby the valve chamber (12) is connected with the high-pressure line via a second supply throttle (24), in order to make possible a fast closing of the valve.

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DE 100 19 765 A1

The invention relates to a valve for controlling liquids, comprising an actuator unit (4) for activating an axially displaceable valve member (3) which has a first piston (9) and a second piston (11) that is separated from the first piston by a hydraulic chamber (13) and which activates a valve closing member (12) that separates a low-pressure area (16) with system pressure from a high-pressure area (17). For the purposes of compensating leakage, a filling device (24) which can be connected to the high-pressure area (17) is provided with a hollow space (25) in which a throttle body (26) is arranged in such a way that a line (33) leading to the high pressure area (17) opens into the hollow space (25) at one end of the throttle body (26) and at the other end, a system pressure line (28) leading to the hydraulic transmission branches off. The geometrical fixing of the throttle body (26), a gap (27) surrounding said throttle body and the dimensions of the piston (9) along which the system pressure is reduced up to the low pressure area (16) ensures that the system pressure (p sys) is built up in accordance with the pressure (p R) in the high pressure area (17).

US 6,817,542 B2

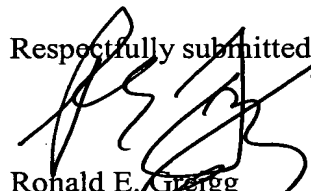
This patent is in the same family as DE 101 45 622 A1 and is provided as an aid to the examiner.

US 6,719,264 B2

This patent is in the same family as DE 100 19 765 A1 and is provided as an aid to the examiner.

Examination of this application is respectfully requested.

Respectfully submitted,



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